

Security Alliance provides a complete portfolio of world-class information security services.

Data Leakage Assessment

Measuring how sensitive and confidential data leaves your network



It's widely acknowledged that the most significant threat to businesses originates from the inside. In particular, it is all too easy for sensitive data to be removed without authorisation from systems and sites. How do you prevent critical information and intellectual property leaking from your organisation?

Security Alliance offers a complete and effective data leakage assessment service.

We provide an exhaustive assessment programme which identifies how sensitive information may be – or is being – removed without authorisation from your systems and sites. It will then recommend cost-effective prioritised steps you can take to mitigate potential data leakage. As a result, you will understand the precise nature and extent of the problem, and the physical, technical and policy-based weaknesses which enable the removal of your sensitive information.

Our methodology

Every assessment is different. They are specifically tailored to the location and format of your critical and sensitive information, as well as to the precise keywords and phrases associated with sensitive projects within your organisation. The approach we take will normally include:

- Examining user actions associated with unintentional information dissemination as well as malicious transfer of data through multiple data leakage vectors. This includes email, webmail, instant messaging, removable media, mobile devices and printing.
- Analysing user and application activity in real time: actions such as cut, paste, copy, rename, send, import, export and print are all monitored.
- Customising each audit to include the use of keywords and phrases specific to your organisation, as well as a list of files, folders and shares containing particularly sensitive information.
- Deploying software agents to analyse user interaction with critical information. These may be deployed on both endpoints and servers, and will visually record suspicious or inappropriate activity.

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Risk
Assessment

Security
Architecture

Policy
Review

**Data Leakage
Assessment**

Security Testing
Services

Compliance &
Certification

Forensics &
Investigation

Training &
Awareness

Managed
Security Services

- Capturing suspicious events to a central server, such as the sending of information to an authorised device, uploading of files to an unauthorised application, or transferring of data through an unauthorised connection.
- Examining all aspects of your physical security to understand how information may be removed from facilities on removable media, in hard copy or on personal devices.

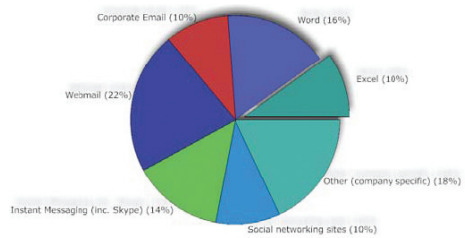
Our approach

We follow a phased approach to data leakage assessments:

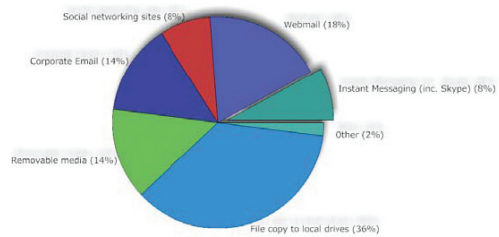
- Phase one: initial scoping to review all policies, processes and procedures. We interview staff to confirm policies are understood and to identify how they are enforced.
- Phase two: on-site investigation of existing IT programs, policies, procedures, systems and devices to ensure the implementation, applicability and effectiveness of existing IT security safeguards to mitigate data leakage. Methodologies to circumvent existing safeguards are also tested.
- Phase three: installation of software agents across a representative sample of users and servers, which typically remain in place for 30 days to monitor user interaction with critical information assets.

Reporting

We provide a comprehensive report which shows the location and nature of critical and less critical security weaknesses. All exposures are linked to business risk and potential impact with easy-to-understand graphics and illustrations. User activity captured during the audit is summarised. Suggested fixes and recommendations are included, and remedial activity is simplified through a prioritised list of actions.



Keyword Use by Application



Primary Data Leakage Vectors

Security Alliance has selected Orthus for data leakage assessment services as part of its complete portfolio of market-leading information security services from specialist providers.

Orthus is one of the leading UK-based providers of information security services, assisting enterprises in securing their digital information globally. It specialises in the design of innovative and effective solutions using highly-trained and experienced information security professionals. The key value it brings to our customers is an independent assurance of the reasonable protection of information assets, ensuring revenue streams and business integrity remain intact.



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Information Risk Management